

NISHANT SINGH

Pune, Maharashtra

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[LinkedIn](#)

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[Portfolio](#)

EDUCATION

Army Institute of Technology

B.E. in Computer Science; SGPA: 8.94

2023 – Present

Pune, Maharashtra

EXPERIENCE

The Palisadoes Foundation & Layer5

Oct. 2024 – May 2025

Open Source Contributor

TypeScript, GraphQL, MinIO, Vitest, GitHub Actions, Docker

- Migrated Talawa-API from Jest to Vitest and added comprehensive component tests, boosting reliability.
- Developed and stabilized ActionItems & Posts features, resolving NoMongo bugs for seamless operation.
- Authored eight detailed Minio Client issues with full documentation, streamlining debugging and maintenance.
- Upgraded Talawa-Admin UI to match Figma designs & integrated GitHub Actions for testing & deployment.
- Reviewed & merged 20+ PRs to enforce quality, wrote developer docs & API specs to speed onboarding.
- Achieved 30% database performance improvement by consolidating multiple queries into single operations, implementing deferred query execution and pagination strategies. All PRs
- UI Component Docs: Authored multiple PRs documenting Layer5 UI components with usage examples. PRs: 6015, 6021, 6034

RavenAi

Mar. 2025 – June 2025

Software Engineering Intern

Next.js, React, Node.js, TypeScript, Supabase, GitHub Actions

- Developed responsive frontend components using Next.js and React, seamlessly integrating with backend APIs.
- Reduced AI model prompt requests from 10 to 1 by consolidating queries, improving performance and efficiency.
- Utilized Next.js rendering strategies—SSR for dynamic content (e.g., user dashboards), SSG for static pages (e.g., FAQs, landing), and CSR where client-side interactivity was more.

PROJECTS

PullQuest | Node.js, Express, ShadCn-UI, GitHub API, Node.js GitHub Actions

Aug. 2024 – Present

- Engineered PullQuest, a comprehensive GitHub-integrated platform in MERN that enables staking on Issues, featuring automated reward distribution via GitHub Actions and generated Reviews on PRs
- Implemented intelligent label-based stake detection system with automated GitHub workflows, enabling real-time contributor notifications about stake amounts, reward eligibility and it prioritizes PRs opened for same issues.
- Developed three role-specific dashboards (user, contributor, recruiter) with responsive shadcn-UI components

Yoom | Next.js, Prisma, Tailwind, Stream, React

May 2024 – Jun. 2024

- Adaptive Video Streaming: Integrated Stream API with WebRTC technology to deliver low-latency, high-fidelity video calls supporting up to 50 concurrent participants across multiple platforms.
- Dynamic Conference Scheduler: Built a comprehensive calendar-based meeting management system with role-based access controls and automatic session notifications for enhanced user experience.
- Performance Optimization: Used Next.js SSR and Tailwind's utility classes for seamless UX across devices.

TECHNICAL SKILLS

- **Backend:** Node.js, Express, REST APIs, MySQL, PostgreSQL, GraphQL
- **Frontend:** Next.js, React, JavaScript, Bootstrap, Tailwind, CSS/SCSS, HTML
- **Other:** C++, Data Structures & Algorithms, Docker, Git/GitHub, Figma
- **Soft Skills:** Event Management, Public Speaking, Graphic Design, Teamwork

ACHIEVEMENTS & LEADERSHIP

- **Technical Head**, Open Source Software Club: Led tech for Innerve 8 and 9 Hackathons (4000+ participants), managed 20+ developers, and built the Innerve website Spark event website.
- **GDG Lead**, Directed 2 Frontend projects with React, conducted Backend Jams for 1st Year Students
- Participated in four hackathons, Hackprix Season 2, HackArenaa in IIIT Delhi, showcasing consistent involvement in competitive development and rapid prototyping challenges.